

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: March 9, 2002, 00:48:37 ; Search time 2351.15 Seconds

(without alignments)
175.416 Million cell updates/sec

Title: US-09-851-670-6

Perfect score: 25
Sequence: 1 cccctagccccaccagctactactgt 25

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1472140 seqs, 8248589755 residues

Total number of hits satisfying chosen parameters: 586436

Minimum DB seq length: 0
Maximum DB seq length: 60

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

GenEmbl:*
1: gb_ba:*
2: gb_hgt:*
3: gb_in:*
4: gb_om:*
5: gb_ov:*
6: gb_pat:*
7: gb_ph:*
8: gb_pl:*
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31: em_hgtgo_inv:*
32: em_hgtgo_rtd:*
33: em_hgtgo_hum:*
34: em_hgtgo_inv:*
35: em_hgtgo_rtd:*
36: em_hgtgo_other:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	18	72.0	18	6	ARI30062
2	16.2	64.8	48	10	S81647
3	15.6	62.4	50	10	AF071699
4	15.4	61.6	33	10	MM1132
5	15.2	60.8	20	6	AR076724
6	15.2	60.8	36	6	AR056971
7	15.2	60.8	36	6	AR057203
8	15.2	60.8	36	6	AR114729
9	15.2	60.8	36	6	AR114961
10	15.2	60.8	50	10	AF071674
11	15	60.0	32	6	AX167021
12	15	60.0	31	6	AX116213
13	14.8	59.2	20	6	AR076738
14	14.6	58.4	38	6	I37974
15	14.6	58.4	38	6	I94824
16	14.4	57.6	51	6	I70326
17	14.2	56.8	36	6	I39166
18	14.2	56.8	31	10	M0516KE2
19	14.2	56.8	54	6	I70325
20	14	56.0	18	6	ARI30063
21	14	56.0	26	6	AX038156
22	14	56.0	50	10	AF071618
23	14	56.0	57	6	ARI05467
24	14	56.0	57	6	I28406
25	14	56.0	57	6	I65420
26	14	56.0	57	6	I70318
27	14	56.0	60	9	HSU49654
28	13.8	55.2	18	6	AX020512
29	13.8	55.2	27	6	AX116212
30	13.8	55.2	32	9	HMTCVD1BK
31	13.6	54.4	21	6	I76918
32	13.6	54.4	36	6	AR056941
33	13.6	54.4	36	6	AR057292
34	13.6	54.4	36	6	ARI14699
35	13.6	54.4	36	6	ARI15050
36	13.6	54.4	36	6	ARI32101
37	13.6	54.4	36	6	ARI32987
38	13.6	54.4	36	6	I62089
39	13.6	54.4	38	6	AR045408
40	13.6	54.4	38	6	I37709
41	13.6	54.4	38	6	I52460
42	13.6	54.4	38	6	I94559
43	13.6	54.4	43	6	I09172
44	13.6	54.4	50	10	AF071606
45	13.6	54.4	57	9	AF082216

ALIGNMENTS

RESULT	1	LOCUS	ARI30062	18 bp	DNA	PAT	16-MAY-2001
DEFINITION	Sequence 54 from patent US 6187586.						
ACCESSION	ARI30062						
VERSION	ARI30062.1	GI:14117959					
KEYWORDS	Unknown.						
SOURCE	Unknown.						
ORGANISM	Unclassified.						
REFERENCE	1 (bases 1 to 18)						
AUTHORS	Monta, B.P., Cowser, L.M. and Roth, R.A.						
TITLE	Antisense modulation of AKT-3 expression						
JOURNAL	Patent: US 6187586-A 54 13-FEB-2001;						
FEATURES	Location/Qualifiers						
source	1..18						
BASE COUNT	4 a	/Organism="unknown"	3 g	3 t			
ORIGIN							

10262) 2/5
09/17/01 922
filed 12/29/01

Query Match	72.0%	Score 18:	DB 6:	Length 18:
Best Local Similarity	100.0%	Pred. No. 3.6e+02;		
Matches 18;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
OY	3	ctagagcccccacagctcta	20	
DB	1	CTAGGCCCCACCACTGCTA	18	
RESULT	2			
S81647/c				
LOCUS	S81647	48 bp	mRNA	ROD
DEFINITION	TCR beta V8.5J2.1-T cell receptor beta chain VJ region [rats,			03-AUG-1996
ACCESSION	S81647			
KEYWORDS	S81647.1	GI:1478452		
ORGANISM	Rattus sp.	Lewis experimental autoimmune myocarditis.		
REFERENCE	1	(bases 1 to 48)		
AUTHORS	Hamawa,H., Inomata,T., Sekikawa,H., Abo,T., Kodama,M., Izumi,T. and Shibata,A.			
TITLE	Analysis of heart-infiltrating T-cell clonotypes in experimental autoimmune myocarditis in rats			
JOURNAL	Circ. Res. 78 (1), 118-125 (1996)			
MEDLINE	96111947			
REMARK	GenBank staff at the National Library of Medicine created this entry [NCBI gidsq 177063] from the original journal article.			
FEATURES	This sequence comes from Fig. 4.			
Source	Location/Qualifiers			
gene	1..48	/organism="Rattus sp."		
	1..48	/db_xref="taxon:10118"		
	1..48	/partial		
	/gene="TCRabg; V8.5J2.1"			
	/note="T cell receptor beta chain VJ region"			
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	/note="This sequence comes from Fig. 4"			
	/codon_start=1			
	/product="T cell receptor beta chain VJ region"			
	/protein_id="AAB36291.1"			
	/db_xref="GI:1478453"			
	/translation="CASSELGCPSYAEQPF"			
BASE COUNT	8 a	12 c	15 g	13 t
ORIGIN				
Query Match	64.8%	Score 16.2;	DB 10;	Length 48;
Best Local Similarity	85.7%	Pred. No. 2.5e+03;		
Matches 18;	Conservative 0;	Mismatches 3;	Indels 0;	Gaps 0;
OY	5	agggcccccacgtctactgtc	25	
DB	27	AGGCCCCCCAGTTCACGTCT	7	
RESULT	3			
AF071699/c				
LOCUS	AF071699	50 bp	DNA	ROD
DEFINITION	Mus musculus clone MP7-25 immunoglobulin heavy chain D-J region			26-JAN-1999
ACCESSION	AF071699			
KEYWORDS	AF071699.1	GI:3320556		
ORGANISM	house mouse.			
	Mus musculus			

REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognath; Muridae; Murinae; Mus.									
AUTHORS	1 (bases 1 to 50)									
TITLE	Klonowski,K.D., Primiano,L.L. and Monestier,M.									
JOURNAL	Atypical VH-D-JH rearrangements in newborn autoimmune MRL mice									
MEDLINE	J. Immunol. 162 (3), 1566-1572 (1999)									
REFERENCE	99138837									
AUTHORS	2 (bases 1 to 50)									
TITLE	Monestier,M. and Klonowski,K.									
JOURNAL	Direct Submission									
REFERENCE	Submitted (12-JUN-1998) Microbiology and Immunology, Temple									
AUTHORS	University School of Medicine, 3400 N. Broad St., Philadelphia, PA									
TITLE	19140, USA									
JOURNAL										
FEATURES	Location/Qualifiers									
SOURCE	1..50									
	/organism="Mus musculus"									
	/strain="MRL +/+"									
	/db_xref="taxon:10090"									
	/clone="MP7-25"									
	/tissue_type="liver"									
	/dev_stage="newborn"									
	/rearranged									
	<1..>50									
	/gene="VH7183-D-J"									
	/note="possible frameshift at D-J junction during rearrangement may result in nonfunctional immunoglobulin heavy chain"									
	<1..>50									
gene	/gene="VH7183-D-J"									
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ORIGIN										
Query Match	62.4%; Score 15.6; DB 10; Length 50;									
Best Local Similarity	81.8%; Pred. No. 4.9e+03;									
Matches	18; Conservative 0; Mismatches 4; Indels 0; Gaps 0									
OY	2 cctaggccaccagctactg 23									
Db	32 CCTGGCCCGCCAGTCACTG 11									
RESULT 4										
LOCUS	MM1132 33 bp mRNA ROD 14-MAY-1996									
DEFINITION	M.musculus mRNA for T-cell receptor beta chain junction region (M1-132).									
ACCESSION	X94884									
VERSION	X94884.1 GI:1155154									
KEYWORDS	beta-chain; junctional region; T cell receptor.									
SOURCE	house mouse.									
ORGANISM	Mus musculus									
	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognath; Muridae; Murinae; Mus.									
REFERENCE	1 (bases 1 to 33)									
AUTHORS	Pullen,A.M. and Bogatzki,L.Y.									
TITLE	Receptors on T cells escaping superantigen-mediated deletion lack special beta-chain junctional region structural characteristics									
JOURNAL	J. Immunol. 156 (5), 1865-1872 (1996)									
MEDLINE	96173775									
REFERENCE	2 (bases 1 to 33)									
AUTHORS	Pullen,A.M.									
JOURNAL	Direct Submission									
REFERENCE	Submitted (10-JAN-1996) A.M. Pullen, University of Washington,									
AUTHORS	Howard Hughes Medical Institute, SL-15 Seattle, WA 98195, USA									
JOURNAL	Overlaps with sequences in Nature, 309:322-325 (1984); Nature,									
COMMENT	310:387-391 (1984) and Nature, 311:344-349 (1984).									
FEATURES	Location/Qualifiers									
SOURCE	1..33									
	/organism="Mus musculus"									
	/sub_species="domesticus"									
	/strain="B10.BR-McV1"									
	/db_xref="taxon:10090"									

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misc_feature      /rearranged
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                  /cell_type="T cell hybridomas"
                  /note="V beta 3+"
                  1..33
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                  /note="junctional region"
                  /product="T cell receptor beta chain"
V_segment         1..8
                  /gene="M1-132"
gene              1..33
                  /gene="M1-132"
N_region          9
                  /gene="M1-132"
D_segment        10..17
                  /gene="M1-132"
N_region         18..19
                  /gene="M1-132"
misc_feature      20..21
                  /gene="M1-132"
                  /note="p nucleotides"
                  22..33
                  /gene="M1-132"
J_segment        22..33
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Best Local Similarity 76.0%; Pred. No. 6.5e+03;
Matches 19; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
QY 1 cccctagggcccccagctactct 25
Db 25 CACTAGGACCCCGGAGAGACTGCT 1

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RESULT 5
LOCUS AR076724 20 bp DNA PAT 30-AUG-2000
DEFINITION Sequence 89 from patent US 5959096.
ACCESSION AR076724
VERSION AR076724.1 GI:10003470
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 20)
AUTHORS Bennett,C.Frank and Dean,N.
TITLE Antisense oligonucleotides against human protein kinase C
JOURNAL Patent: US 5959096-A 89-28-SEP-1999;
FEATURES
source 1..20
BASE COUNT 4 a 11 c 4 g 1 t
ORIGIN
Query Match 60.8%; Score 15.2; DB 6; Length 20;
Best Local Similarity 85.0%; Pred. No. 8.8e+03;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 1 cccctagggcccccagctact 20
Db 1 CCCGAGGGCCGACAGCTCA 20

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RESULT 6
LOCUS AR056971 36 bp DNA PAT 29-SEP-1999
DEFINITION Sequence 1175 from patent US 5837542.
ACCESSION AR056971
VERSION AR056971.1 GI:5982548
KEYWORDS

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SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 36)
AUTHORS Grimm,S., Stinchcomb,D.T., McSwigen,J., Sullivan,S. and Draper,K.G.
TITLE Intercellular adhesion molecule-1 (ICAM-1) ribozymes
JOURNAL Patent: US 5837542-A 1175 17-NOV-1998;
FEATURES
source 1..36
BASE COUNT 13 a 9 c 10 g 4 t
ORIGIN
Query Match 60.8%; Score 15.2; DB 6; Length 36;
Best Local Similarity 85.0%; Pred. No. 8.1e+03;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 4 tagggcccccagctactct 23
Db 20 TCGGCTCATCACTACTG 1

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RESULT 7
LOCUS AR057203 36 bp DNA PAT 29-SEP-1999
DEFINITION Sequence 1407 from patent US 5837542.
ACCESSION AR057203
VERSION AR057203.1 GI:5982780
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 36)
AUTHORS Grimm,S., Stinchcomb,D.T., McSwigen,J., Sullivan,S. and Draper,K.G.
TITLE Intercellular adhesion molecule-1 (ICAM-1) ribozymes
JOURNAL Patent: US 5837542-A 1407 17-NOV-1998;
FEATURES
source 1..36
BASE COUNT 13 a 9 c 10 g 4 t
ORIGIN
Query Match 60.8%; Score 15.2; DB 6; Length 36;
Best Local Similarity 85.0%; Pred. No. 8.1e+03;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 4 tagggcccccagctactct 23
Db 20 TCGGCTCATCACTACTG 1

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RESULT 8
LOCUS AR114729 36 bp DNA PAT 16-MAY-2001
DEFINITION Sequence 1175 from patent US 6132967.
ACCESSION AR114729
VERSION AR114729.1 GI:14095051
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 36)
AUTHORS Grimm,S., Stinchcomb,D.T., McSwigen,J., Sullivan,S. and Draper,K.G.
TITLE Ribozyme treatment of diseases or conditions related to levels of intercellular adhesion molecule-1 (ICAM-1)
JOURNAL Patent: US 6132967-A 1175 17-OCT-2000;
FEATURES
source 1..36

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JOURNAL Patent: WO 0129262-A 1336 26-APR-2001;
Orchid Biosciences, Inc. (US)
FEATURES Location/Qualifiers
Source 1..51 /organism="Homo sapiens"
/db_xref="taxon:9606"
BASE COUNT 12 a 16 c 14 g 9 t
ORIGIN

Query Match 60.0%; Score 15; DB 6; Length 51;
Best Local Similarity 78.3%; Pred. No. 9.7e+03;
Matches 18; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 2 cctagggcccccagcttactgc 24
DB 28 CCTGTGCCCTACGAGCTGCTGC 6

RESULT 13
LOCUS AR076738 20 bp DNA PAT 30-AUG-2000
DEFINITION Sequence 103 from patent US 5959096.
ACCESSION AR076738
VERSION AR076738.1 GI:10003484
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 20)
AUTHORS Bennett,C.Frank and Dean,N.
TITLE Antisense oligonucleotides against human protein kinase C
JOURNAL Patent: US 5959096-A 103 28-SEP-1999;
FEATURES Location/Qualifiers
Source 1..20 /organism="unknown"

BASE COUNT 3 a 12 c 4 g 1 t
ORIGIN

Query Match 59.2%; Score 14.8; DB 6; Length 20;
Best Local Similarity 88.9%; Pred. No. 1.4e+04;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 cccctagggcccccagctc 18
DB 2 CCCCGAGGCCGCCAGCTC 19

RESULT 14
LOCUS I37974 38 bp DNA PAT 13-MAY-1997
DEFINITION Sequence 987 from patent US 5612215.
ACCESSION I37974
VERSION I37974.1 GI:2085964
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 38)
AUTHORS Draper,K.G., Pavco,P., McSwiggen,J., Gustofson,J. and
TITLE Stromelysin targeted ribozymes
JOURNAL Patent: US 5612215-A 987 18-MAR-1997;
FEATURES Location/Qualifiers
Source 1..38 /organism="unknown"

BASE COUNT 13 a 8 c 14 g 3 t
ORIGIN

Query Match 58.4%; Score 14.6; DB 6; Length 38;
Best Local Similarity 81.0%; Pred. No. 1.6e+04;

Matches 17; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 4 tagggcccccagcttactgc 24
DB 21 TCGGCTCATCATGCTCCTGC 1

RESULT 15
LOCUS I94824 38 bp DNA PAT 01-DEC-1998
DEFINITION Sequence 987 from patent US 5731295.
ACCESSION I94824
VERSION I94824.1 GI:3939294
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 38)
AUTHORS Draper,K.G., Pavco,P., McSwiggen,J., Gustofson,J. and
TITLE Method of reducing stromelysin RNA via ribozymes
JOURNAL Patent: US 5731295-A 987 24-MAR-1998;
FEATURES Location/Qualifiers
Source 1..38 /organism="unknown"

BASE COUNT 13 a 8 c 14 g 3 t
ORIGIN

Query Match 58.4%; Score 14.6; DB 6; Length 38;
Best Local Similarity 81.0%; Pred. No. 1.6e+04;
Matches 17; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 4 tagggcccccagcttactgc 24
DB 21 TCGGCTCATCATGCTCCTGC 1

Search completed: March 9, 2002, 00:48:38
Job time: 1119 sec

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